

H α SOLAR FLARES

SEPTEMBER 2007

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Grp #	Sta	Start Day	Max (UT)	End (UT)	NOAA/				Dur (Min)	Imp Opt	Obs Xray	Time (UT)	Area Measurement		
					Lat	USAF CMD	CMP Region	Mo Day					10 ⁻⁶ Disk	(Sq Deg)	Apparent Corr
	24	1422	1428	No Flare Patrol											
	24	1718	1754	No Flare Patrol											
	24	1831	1836	No Flare Patrol											
	24	1909	1938	No Flare Patrol											
	26	1011	1129	No Flare Patrol											
	26	1146	1215	No Flare Patrol											
	26	1221	1247	No Flare Patrol											
	28	1012	1119	No Flare Patrol											
	28	1923	1928	No Flare Patrol											
	28	2025	2042	No Flare Patrol											
	28	2122	2128	No Flare Patrol											
	29	1832	1844	No Flare Patrol											

"Remarks"

A = Eruptive prominence whose base is less than 90 degrees from central meridian.
 B = Probably the end of a more important flare.
 C = Invisible 10 minutes before.
 D = Brilliant point.
 E = Two or more brilliant points.
 F = Several eruptive centers.
 G = No visible spots in the neighborhood.
 H = Flare accompanied by high-speed dark filament.
 I = Active region very extended.
 J = Distinct variations of plage intensity before or after the flare.
 K = Several intensity maxima.
 L = Existing filaments show signs of sudden activity.
 M = White-light flare.
 N = Continuous spectrum shows effects of polarization.

O = Observations have been made in the H and K lines of Ca II.
 P = Flare shows Helium D3 in emission.
 Q = Flare shows Balmer continuum in emission.
 R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.
 S = Brightness follows disappearance of filament in same position.
 T = Region active all day.
 U = Two bright branches, parallel or converging.
 V = Occurrence of an explosive phase; important, expansion within roughly 1 minute that often includes a significant intensity increase.
 W = Great increase in area after time of maximum intensity.
 X = Unusually wide H-alpha line.
 Y = System of loop-type prominences.
 Z = Major sunspot umbra covered by flare.

Observation Type: C=Cinematographic, E=Electronic, P=Photographic, V=Visual